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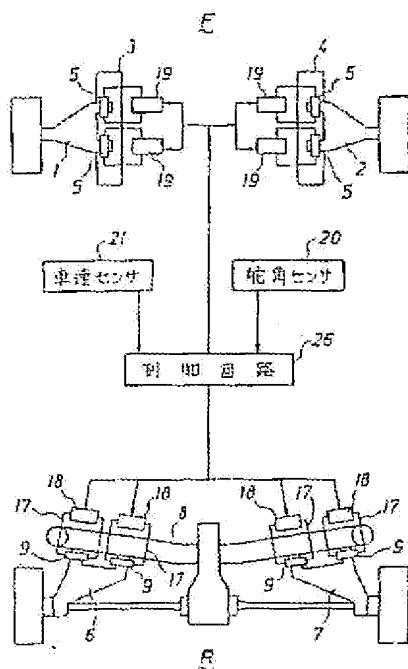
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APPLICANT : MAZDA MOTOR CORP;

INVENTOR : NAKAJIMA HITOSHI;

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TITLE : SUSPENSION OF AUTOMOBILE



ABSTRACT : PURPOSE: To improve driving comfortability and stable drivability by varying motion resisting force of longitudinal direction of a car body of a bush mounted on a suspension arm by steering angle of a steering wheel and car speed.

CONSTITUTION: Detecting signal of a steering angle sensor 20 and a car speed sensor 21 is input in a control circuit 26. The control circuit 26 demagnetizes a solenoid valve 18 or 19 when the steering angle is below a set angle to prolong communicating time and motion resistance of a bush 5 or 9 in the car body longitudinal direction is made small to obtain better driving comfortability. When over the set angle, interruption time of the solenoid valve 18 or 19 is prolonged to enlarge resistance of the bush 5 or 9 and steering responsibility is improved. In this case, the control circuit 26 is set so that the set steering angle is made smaller in high speed than in low speed. By this constitution, driving comfortability and stable drivability can be improved.

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